

Push-on Connector Interface

Abstract

A push-on connector interface and associated spring ring adapted for use with, for example, existing standardized threaded female connectors, for example SMA or Type N connectors. A plurality of spring fingers of the male connector body engage the, typically threaded, outer diameter surface of the female connector body. A sleeve within the male connector body may be adapted to extend within a bore of the female connector body. A spring or spring ring located, for example, positioned within a groove or press-fit upon the sleeve has a plurality of deflectable protrusions which deform between the sleeve and an inner diameter surface of the bore and or are biased against the inner diameter surface. The connections formed by the bias of spring fingers and the deformation and or bias of the spring or spring ring creating a reliable mechanical and electrical interconnection between the male and female connector bodies.